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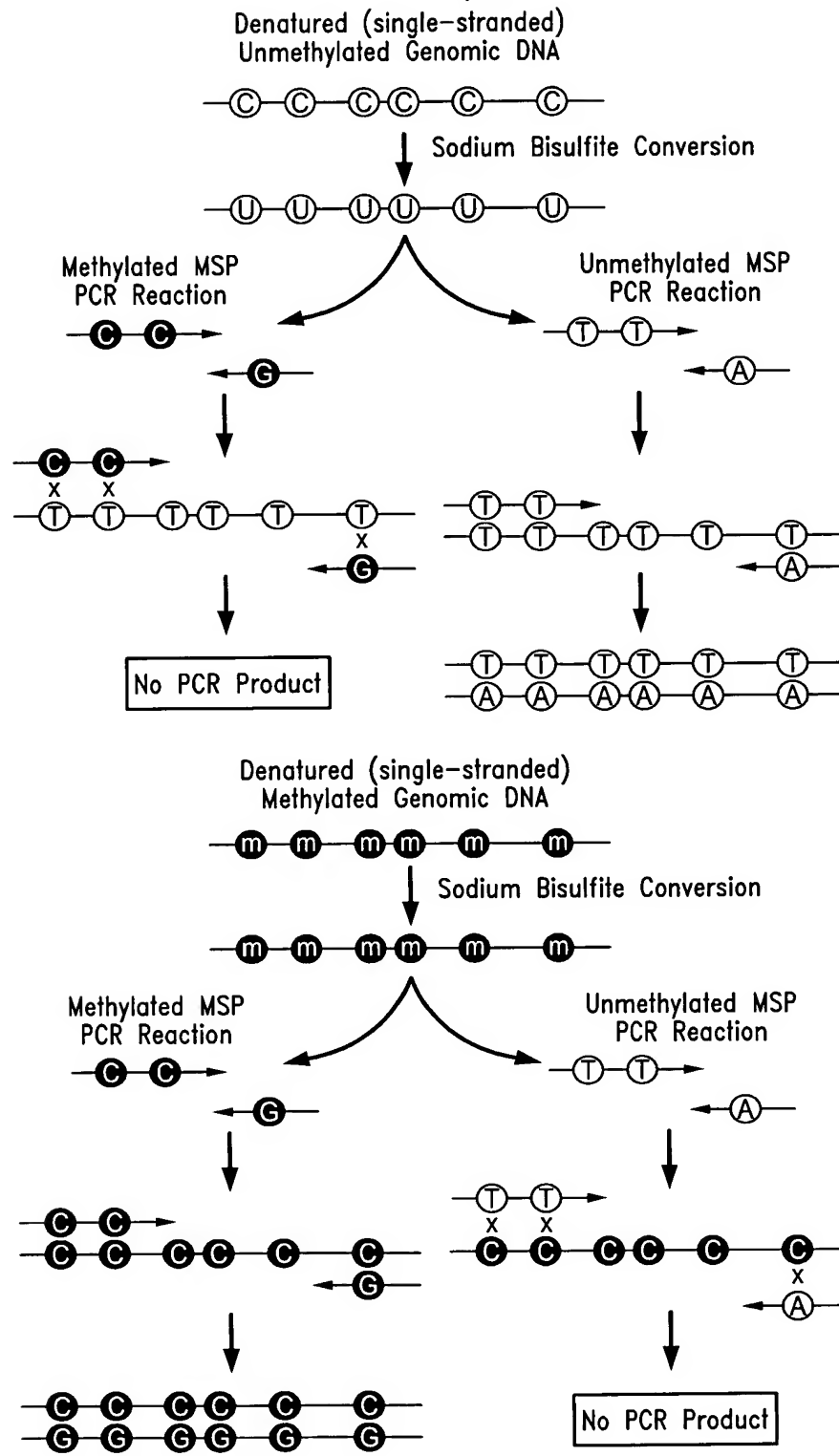
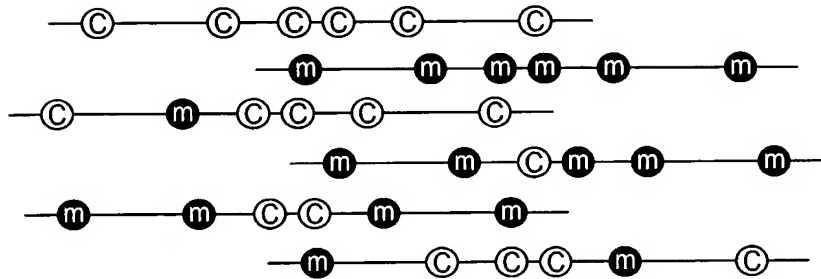


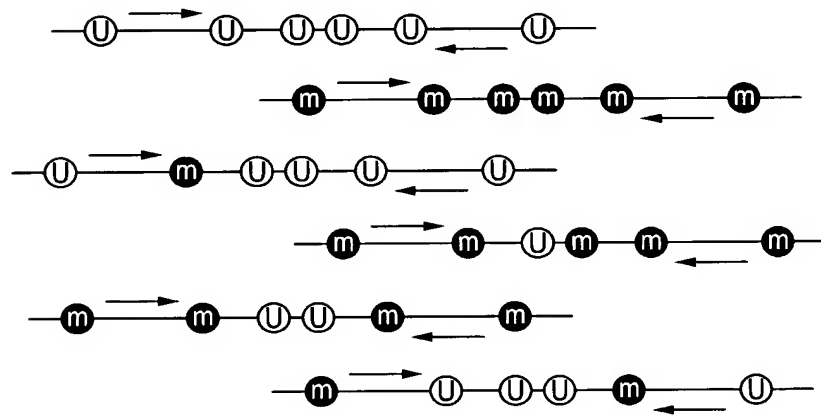
Fig. 1

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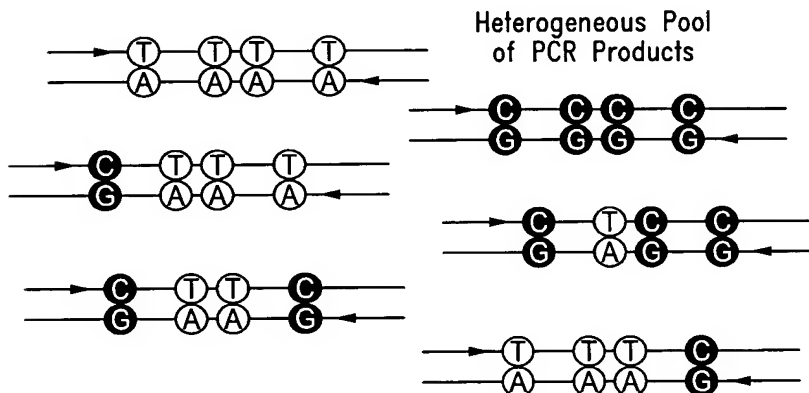
Denatured (single-stranded) Genomic DNA
of Mixed Methylation Status



Sodium Bisulfite Conversion



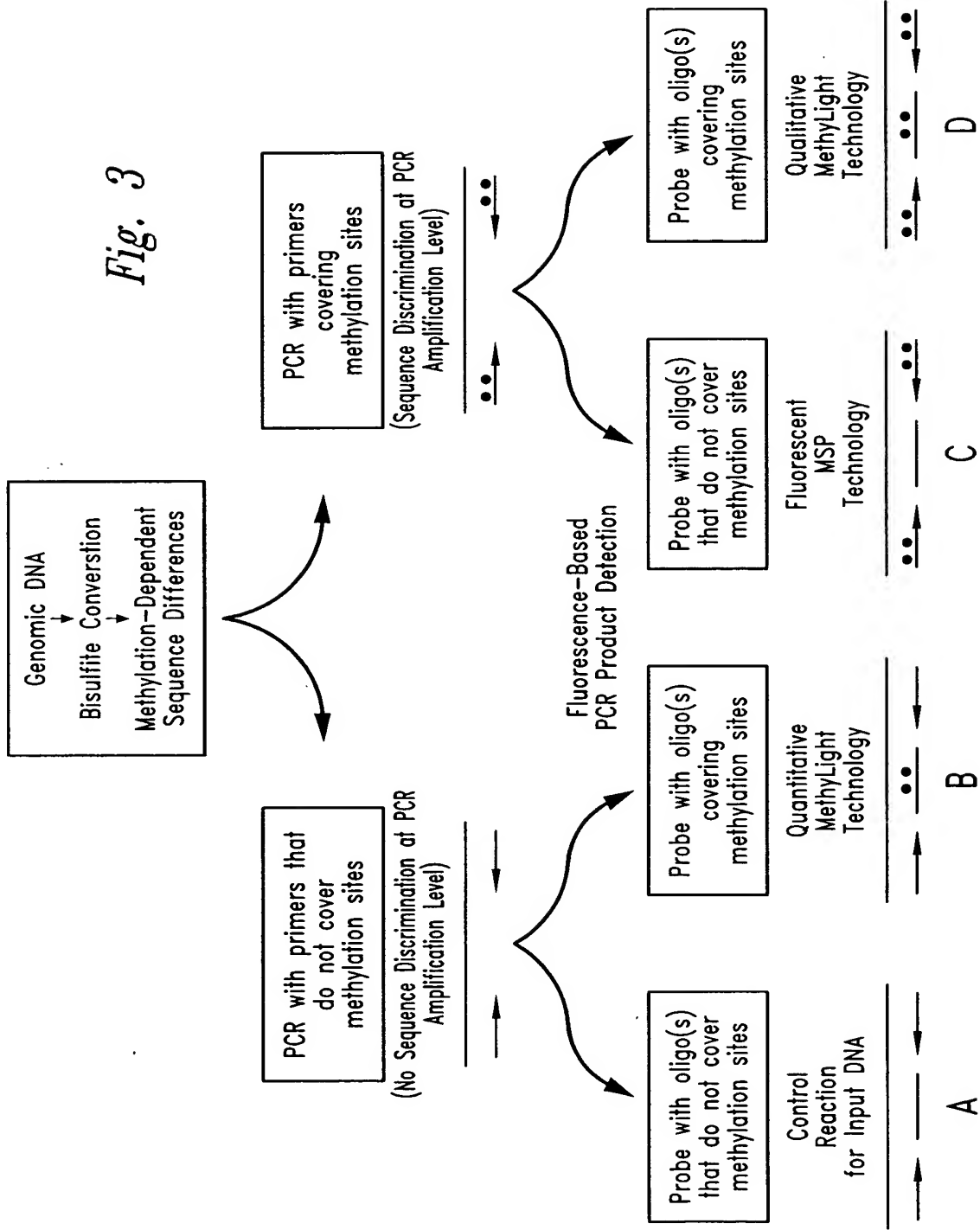
PCR



Heterogeneous Pool
of PCR Products

Fig. 2

Fig. 3



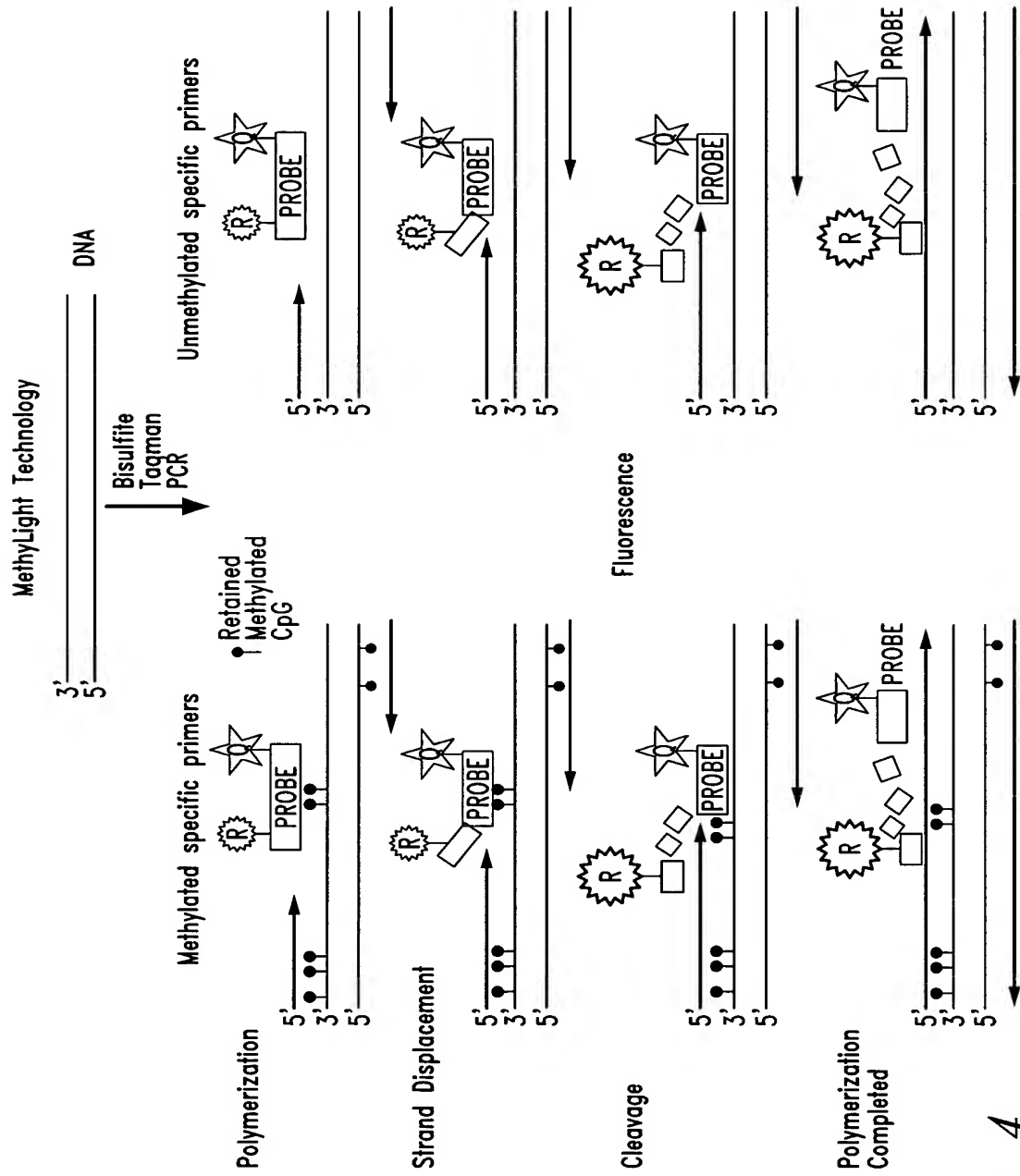
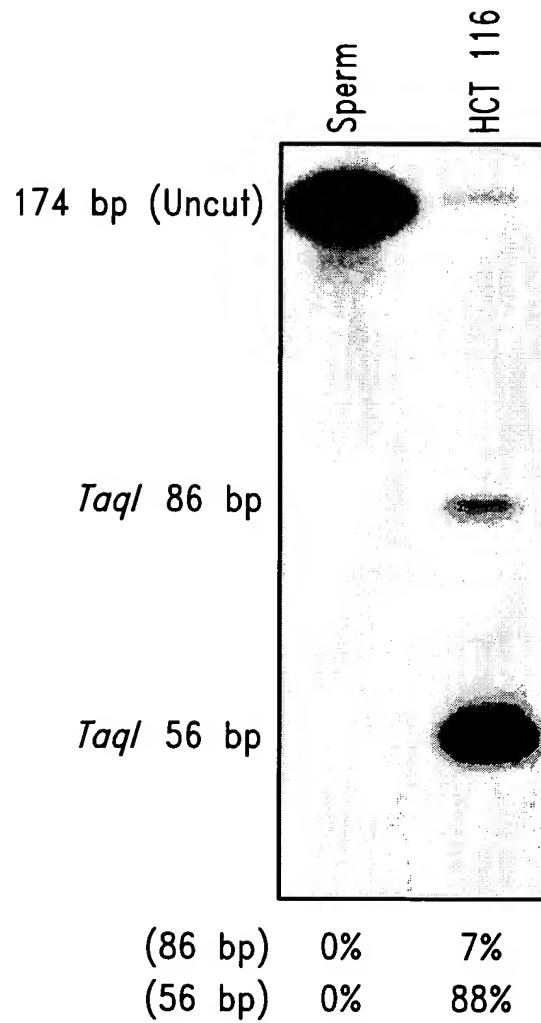


Fig. 4

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COBRA Gel

Fig. 5A

Methylation Analysis of the *ESR1* Gene

DNA	COBRA (% One or Two Sites Methylated)	MethylLight (Ratio of Methylated / Control)	MethylLight (Ratio of Unmethylated / Control)
<i>Bisulfite Treated</i>			
Sperm	0%	0	62
HCT116	95%	36	0
<i>Untreated</i>			
Sperm	No PCR	0	0
HCT116	No PCR	0	0

Fig. 5B

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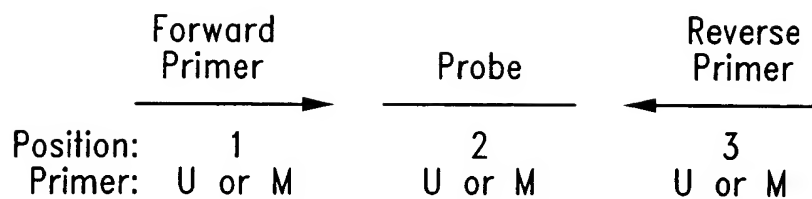


Fig. 6A

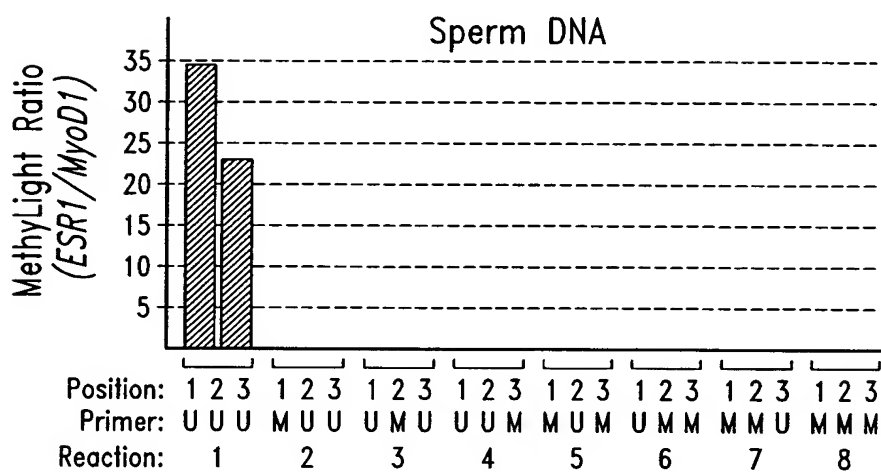


Fig. 6B

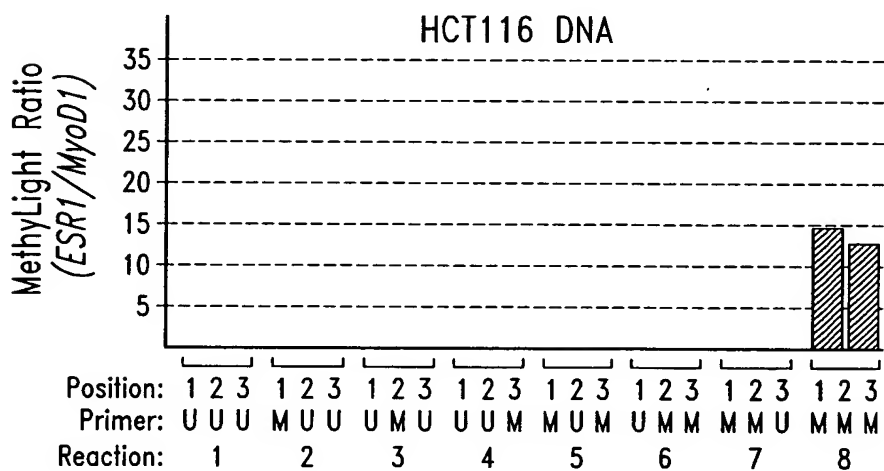


Fig. 6C

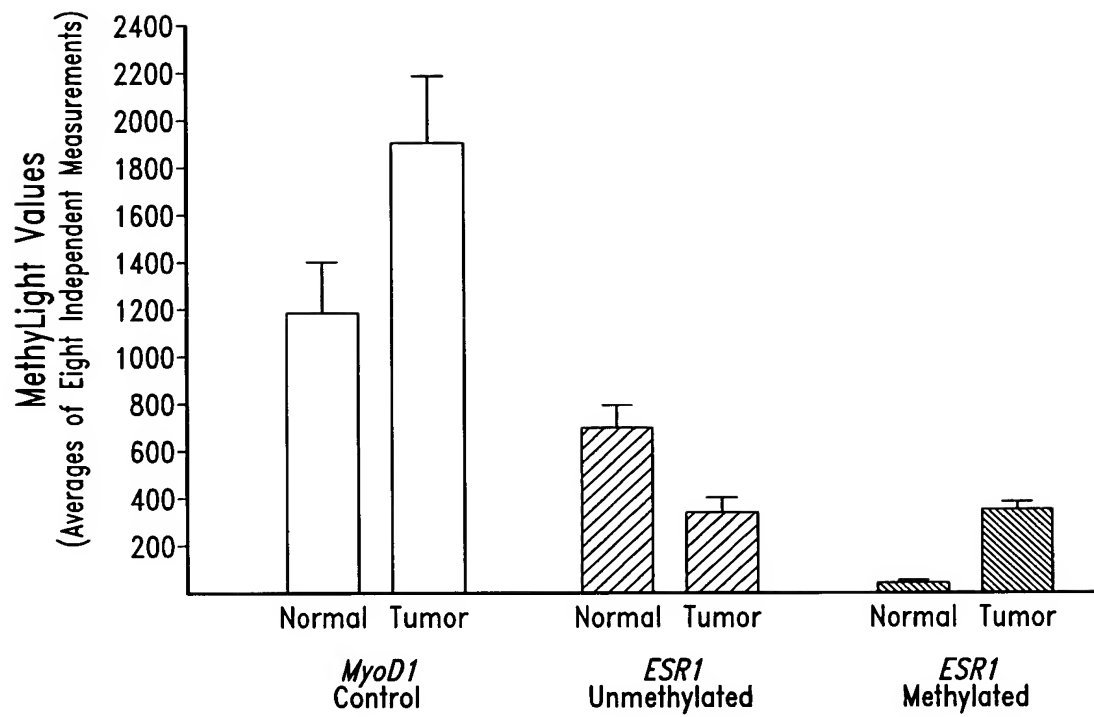
*Fig. 7*

Fig. 8

